ABSTRACT

A tube joint that can be used as a volume control valve, air sprayer or/and a T-tube. The multifunction tube joint mainly contains: an elongated body, a revolving valve, a stem, a branch, a piston valve rod, a button and a spring. The elongated body contains: a main channel longitudinally therethrough, a protrusion thereon and a tunnel vertically therethrough. The protrusion has a receptacle therein communicated with the main channel. The revolving valve is rotably received through the tunnel. The revolving valve has a controlling channel vertically therethrough. The controlling channel is communicable to the main channel. The stem is connected to the receptacle. The stem has a stem channel therein, communicable with the main channel. The branch is connected to the stem. The branch has a branch channel therein communicated with the stem channel of the stem. The piston valve rod is slidably received in the stem channel of the stem with a first end extended out thereof. The button is mounted with the first end of the piston valve rod. The button is engagable with the stem. The spring is placed with one end against a bottom of the receptacle of the protrusion and with another end against a second end of the piston valve rod. The piston valve rod can be pressed against the spring to let the main channel to communicate with the branch channel through the stem channel and the piston valve rod can be released to block communication between the main channel and the branch channel.